

App Bar

App Bar Component This document outlines the specifications for the `AppBarComponent`, an Angular component designed to provide a customizable app bar or navigation bar for web applications.

Purpose ■ The `AppBarComponent` serves as a prominent navigation and information hub within web applications. It typically contains branding elements, navigation menus, and additional controls to enhance user experience and facilitate navigation throughout the application.

Usage ■ Integrate the `AppBarComponent` into your Angular applications to establish a consistent and easily accessible navigation interface for users.

Inputs ■ `title` : (Optional) The title or branding text displayed within the app bar. `logoUrl` : (Optional) The URL of the logo or branding image displayed within the app bar. `showMenu` : (Optional) Controls the visibility of the navigation menu within the app bar. Defaults to `true`. `menuItems` : (Optional) An array of objects representing the items in the navigation menu. Each object should have the following properties: `label` : (Required) The label or display text for the menu item. `link` : (Required) The URL or route link associated with the menu item. `icon` : (Optional) The icon to be displayed alongside the menu item label. `userMenu` : (Optional) An array of objects representing items in the user menu dropdown. Each object should have the following properties: `label` : (Required) The label or display text for the user menu item. `action` : (Optional) A callback function to be executed when the user selects the menu item. `icon` : (Optional) The icon to be displayed alongside the user menu item label.

Events ■ `menuItemClick` : Fired when a menu item in the navigation menu is clicked. Emits the selected menu item object. `userMenuItemClick` : Fired when a user menu item in the dropdown is clicked. Emits the selected user menu item object.

```
< app-app-bar [title] = " ' My Application' " [logoUrl] = " ' assets/logo.png' " [showMenu] = " true " [menuItems] = " appMenuItems " [userMenu] = " userDropdownItems " (menuItemClick) = " onMenuItemClick($event) " (userMenuItemClick) = " onUserMenuItemClick($event) " > </ app-app-bar >
```

Notes ■ Customize the styling and layout of the app bar to align with the overall design language and branding of your application. Implement the `menuItemClick` and `userMenuItemClick` event handlers to respond to user interactions with the navigation menu items and user menu dropdown items, respectively.

// Example menu items for navigation menu

```
appMenuItems = [ { label : 'Home' , link : '/home' , icon : 'home' } , { label : 'About' , link : '/about' , icon : 'info' } , { label : 'Contact' , link : '/contact' , icon : 'email' } ] ;
```

// Example items for user menu dropdown

```
userDropdownItems = [ { label : 'Profile' , action : this . navigateToProfile , icon : 'person' } , { label : 'Settings' , action : this . navigateToSettings ,
```

```
icon : 'settings' } , { label : 'Logout' , action : this . logout , icon : 'logout' } ] ; onMenuItemClick  
( menuItem : any ) { // Handle menu item click event } onUserMenuItemClick ( menuItem :  
any ) { // Handle user menu item click event } navigateToProfile ( ) { // Navigate to user profile  
page } navigateToSettings ( ) { // Navigate to settings page } logout ( ) { // Perform logout  
action }
```

```

<app-app-bar
  [title]='My Application'
  [logoUrl]='assets/logo.png'
  [showMenu]='true'
  [menuItems]='appMenuItems'
  [userMenu]='userDropdownItems'
  (menuItemClick)="onMenuItemClick($event)"
  (userMenuItemClick)="onUserMenuItemClick($event)"
></app-app-bar>

```

```
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```

```

// Example menu items for navigation menu
appMenuItems = [
  { label: 'Home', link: '/home', icon: 'home' },
  { label: 'About', link: '/about', icon: 'info' },
  { label: 'Contact', link: '/contact', icon: 'email' }
];

// Example items for user menu dropdown
userDropdownItems = [
  { label: 'Profile', action: this.navigateToProfile, icon: 'person' },
  { label: 'Settings', action: this.navigateToSettings, icon: 'settings' },
  { label: 'Logout', action: this.logout, icon: 'logout' }
];

onMenuItemClick(menuItem: any) {
  // Handle menu item click event
}

onUserMenuItemClick(menuItem: any) {
  // Handle user menu item click event
}

navigateToProfile() {
  // Navigate to user profile page
}

navigateToSettings() {
  // Navigate to settings page
}

logout() {
  // Perform logout action
}

```